PASSF 1.7

Wells Within About One Mile of Disposal Site

USGS designation	Owner	Use
9/30-22E1	John Dietrich (disposal site)	Irrigation of cover crop
9/30-16A1	Charlie Cox	Irrigation of potato farm (first season of use)
9/30-16F1	US Bur. Reclamation	Observation well
9/30-16K1	Charlie Cox	Irrigation of potato farm (first season of use)
9/30-16M1	Charlie Cox	Irrigation of potato farm (first season of use)
9/30-21F1	Columbia East	Irrigation well-unused
9/30-28H1	Devon Dall	Domestic, stock-water and irrigation well
9/30-28H2	Howard Craven	Well never used - no development of land
9/30-28H3	Rada Construction	Well used only intermittently in making of septic tanks, dry wells, etc.
9/30-28J1	Welch Garage wrecking yard	Little used
9/30-28J2	Spooner Motel	Commercial use for domestic and sanitary water
9/30-28J3	Cunningham	Domestic well
9/30-28K1	Rasmussen	Domestic well
9/30-28K2 and 3	Bonnie Brae Motel and Bumgarner home	Commercial and domestic wells
9/30-27B1	Dave Whitehead	Stock water
9/30-22Q1	Alderson	Domestic well
9/30-23N1	US Bur Reclamation	Observation well
9/30-26D1	US Bur Reclamation	Observation well
9/30-22J1	Tomlinson Dairy	commercial use in dairy
9/30-22K1	Tomlinson Dairy	not in use. Too low capacity.
9/30-27K1	Bonneville Power Administration	Sanitary and local irrigation

Resource Recovery

Control # / Pts / Loc. of POD/POW	Sec	Old Appl	Old Perm	Date of Priority	S C A	Purpose of Use	Cnty / Use Type	Permit Date	Inst Qi	Name	Annual Qa	Source	Irr Ac	Provisos	Time of Use	R R R
G3-23860PAL 2 GL-4	01					IRRIG			G		877.33	WELLS	320.0	RIBS	01011231	2 2 2
G3-24626P 3 W2 E2 & NW4 NW4 & SW4 SW4	01			05/05/975		IRRIG	FRAN C	/ /	4140.0 G	BURLINGTON NORTHER	2411.0	WELLS NO 41-42-43	460.0	RIBWS IS		
G3-24775PAL 2 GL-4	01			01/15/976	S	ENVIRONMENTAL QUALITY	FRAN C	07/19/976	1500.0 G 2	VOSS RAYMOND ET UX		WELLS		RIBS		2 0 0
						IRRIG	C		1500.0 G 2		838.66		160.0	RIBS IS		2 2 2
G3*10267P 2 SE4	02	10267	09823	06/18/969		IRRIG	FRAN C	/ /	1500.0 G	MARCHBANKS D ET AL	785.0	WELL	150.0	RB/Q		

RECORDED WATER RIGHTS OF THE DEPARTMENT OF ECOLOGY REGION 3 PAGE 2667 REPORT DATE 1/16/79

WATER RESOURCE INVENTORY AREA- 33

TOWNSHIP - 09 RANGE - 30 E

Control # / Pts / Loc. of POD/POW	Sec	Old Appl	Old Perm	Old Cert	Date of Priority	S C A	Purpose of Use	Cnty / Use Type	Permit Date	Inst Qi C R S	Name	Annual Qa C R S	Source of Appropriation	Irr Ac	C S M U	Provisos	Time of Use	R R R I A C
G3-22491P 2 NW4 SE4 NW4 & NW4 SW4 NE4	02				02/04/974		IRRIG	FRAN C	/ /	2160.0 G	TIPPETT, ROBT. R.	1116.0	WELLS	240.0		RMS	03011101	
G3-23867P 2 SE4 SE4 NW4	02				10/24/974		IRRIG	FRAN C	/ /	2400.0 G	TIPPETT ROBERT A	1116.0	WELLS	240.0		MRUBS	03011101	
G3-24577P 1 SE4 SE4 NW4	02				09/04/975		DOM SINGLE	FRAN C	/ /	50.0 G	TIPPETT LD & MTGE	3.0	WELL			RIS		
G3-20249PAL 2 SW4 SW4	03 (1)				06/02/972	S	IRRIG	FRAN C	04/03/974	5778.0 G	BURL NO INC	2594.7	WELLS	642.0		RIBMS	02011031	2 2 2
G3-25179P 1 SW4 SW4	03 (2)				01/13/977		IRRIG	FRAN C	06/03/977	1600.0 G	BULLINGTON NORTH I	838.66	WELL	160.0		RIBS	01011231	
G3-24661P 1 SE4 NW4 SW4	10 (3)				11/08/975		IRRIG	FRAN C	/ /	1400.0 G	LENTZ JAMES E	838.0	WELL	160.0		RBWS	04011031	
G3-20249PBL 1 NW4 NW4	11 (4)				06/02/972	S	IRRIG	FRAN C	04/03/974	5778.0 G	BURL NO INC	2594.7	WELL	642.0		RIBMS	02011031	2 2 2
G3*08389P 3 SW4 SE4 & NW4 SE4	12	08389	07843		11/09/966	S	IRRIG	FRAN C	04/24/967	1300.0 G 2	SULLIVAN R G	548.0	WELLS	137.0		RIBS IS		
							DOM SINGLE	C		1300.0 G 2		1.0				RIBS		
G3-24846P 1 W2 NW4 NW4	12 (5)				08/07/975		IRRIG	FRAN C	/ /	1200.0 G	LENTZ JAMES E	684.52	WELL	132.5		RBS	01011231	
G3-24312P 1 NE4	14 (6)				01/31/975		IRRIG	FRAN C	/ /	1400.0 G	MEYER PHILIP C JR	744.0	WELL	142.0		RBS	01011231	
G3-01177C 1 SW4 NE4 SE4	21 (7)	10696	09977		03/11/970		IRRIG	FRAN C	/ /	668.0 G	COLUMBIA EAST LTD	719.0 S	WELL	268.0	S	MR	03011101	
G3*09966P 1 SE4 NW4 NW4	24 (8)	09966	09478		01/06/969		DOM SINGLE	FRAN C	/ /	1600.0 G 2	SULLIVAN R G	2.0	WELL			KOREBS		
							IRRIG	C		1600.0 G 2		582.0		160.0		KOREBS	02011130	
G3*10897PBL 2 E2 NW4 NW4	24 (9)	10897B	1C3778		05/20/970		IRRIG	FRAN C	/ /	4000.0 G	NAKAMURA HISASHI	1427.0	WELLS	400.0		MS	03011031	2 2 2
G3-00472C 1 E2 NW4 NW4	24 (10)	09288	08617		03/12/968		DOM SINGLE	FRAN C	/ /	200.0 G 3	SULLIVAN ROBERT GU	2.0	WELL			R		
							STOCK GENERAL	C		200.0 G 3		1.0				R		
							IRRIG	C		200.0 G 3		60.0		20.0		R	04011031	
G3-21432P 2 SW4 SW4 SE4, SE4 NW4 SE4 (12) (11)	24				07/21/973	C	IRRIG	FRAN C	10/01/975	3500.0 G	HSIEH JACK	2790.0	WELLS	600.0		RMUT	03011130	

RECORDED WATER RIGHTS OF THE DEPARTMENT OF ECOLOGY REGION 3 PAGE 2668 REPORT DATE 1/16/79

WATER RESOURCE INVENTORY AREA- 33

TOWNSHIP - 09 RANGE - 30 E

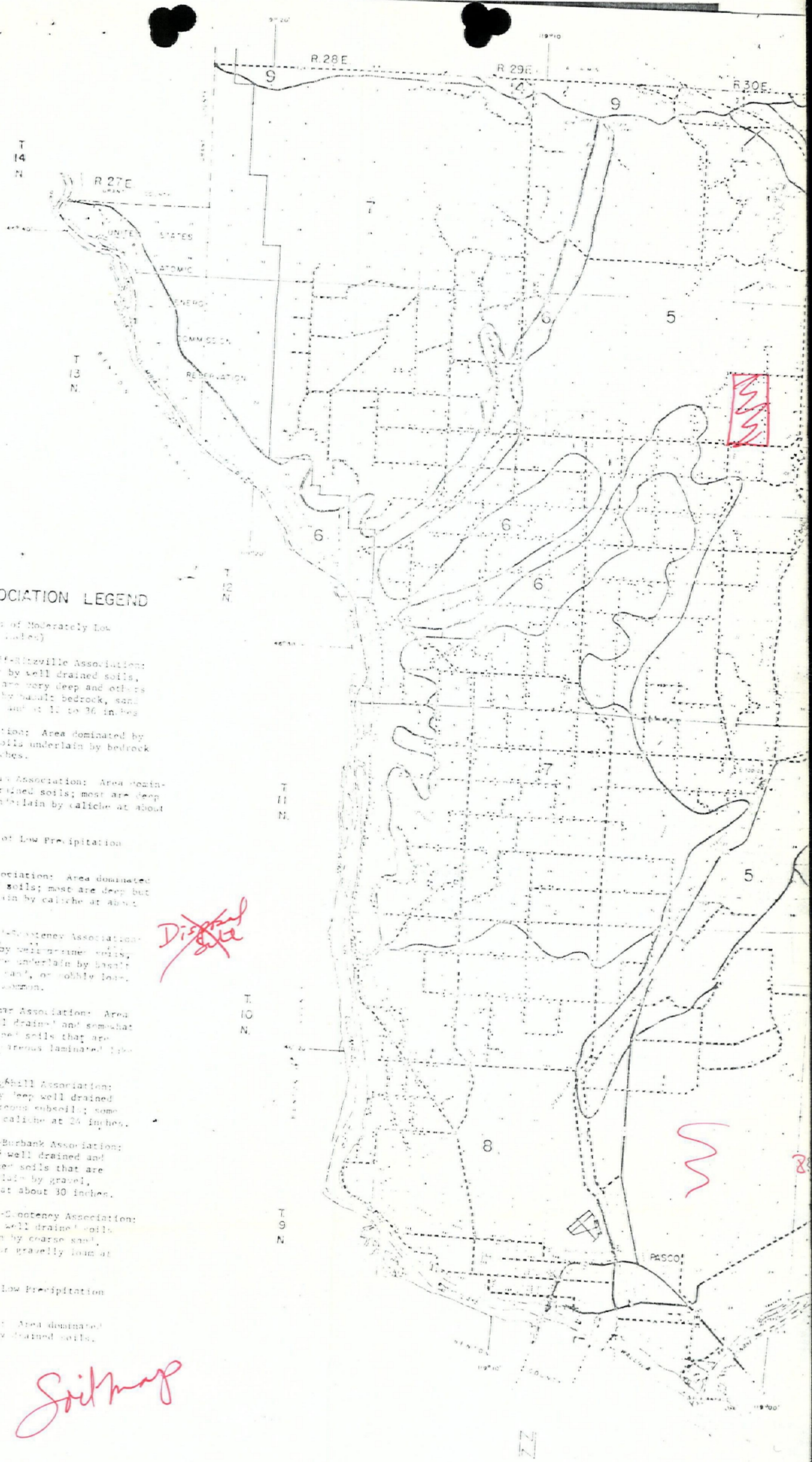
Control # / Pts / Loc. of POD/POW	Sec	Old Appl	Old Perm	Old Cert	Date of Priority	S C A	Purpose of Use	Cnty / Use Type	Permit Date	Inst Qi C R S	Name	Annual Qa C R S	Source of Appropriation	Irr Ac	C S M U	Provisos	Time of Use / Tributary of	R R R I A C
G3-23502 1 NE4 NW4	24 (13)				08/12/974		DOM SINGLE	FRAN C	/ /	200.0 G 2	NORWOOD, JOSEPHINE	1.0	WELL					
							IRRIG	C		200.0 G 2		80.0		20.0			03011031	
G3-24500P 1 NE4 NW4 NW4	24 (14)				06/07/975		IRRIG	FRAN C	/ /	1470.0 G	SULLIVAN R GUY	588.0	WELL	147.0		RS	02011130	
S3*21844 1 GL4	26 (15)	21844			10/03/969	R	IRRIG	FRAN C	/ /	237.5 C	N PAC R R	45500.0	SNAKE R	13000.0			COL R/WALLULA L 03010930	
G3*10695P 1 SE4 NW4 SE4	26	10695	09976		03/11/970	C	IRRIG	FRAN C	/ /	785.0 G	COLUMBIA EAST	845.0	WELL	283.0		QR	03011101	
G3*10697P 1 NE4 SW4 NW4	26 (16)	10697	09978		03/11/970	C	IRRIG	FRAN C	/ /	668.0 G 2	COLUMBIA EAST	635.0	WELL			QR	03011101	
							IRRIG	C		668.0 G 2		84.0 S		283.0		QR	03011101	

RECORDED WATER RIGHTS OF THE ... PAGE 2668 REPORT DATE 1/16/79

CONTROL # / PTS P LOC. OF POD/POW	SEC #	OLD APPL	OLD PERM	OLD CERT	PURPOSE OF USE	DATE OF PRIORITY	S C A / T C M	USE TYPE	INST QI (C R S / M U U)	NAME / ANNUAL QA (C R S / M U U)	SOURCE OF APPROPRIATION	IRR AC	C S M U / PROVISOS	TIME OF USE / TRIBUTARY OF	R R R / I A C
WATER RESOURCE INVENTORY AREA- 33															
TOWNSHIP - 09 RANGE - 30 E															
G3-23502	24					08/12/974		FRAN	/ /	NORWOOD, JOSEPHINE	WELL				
1 NE4 NW4					DOM SINGLE			C	200.0 G 2	1.0					
					IRRIG			C	200.0 G 2	80.0		20.0		03011031	
G3-24500P	24					05/07/975		FRAN	/ /	SULLIVAN R GUY	WELL				
1 NE4 NW4 NW4					IRRIG			C	1470.0 G	588.0		147.0	RS	02011130	
S3*21844	25	21844				10/03/969	R	FRAN	/ /	N PAC R R	SNAKE R			COL R/WALLULA L	
1 GL4					IRRIG			C	237.5 C	45500.0		13000.0		03010930	
G3*10695P	26	10695	09976			03/11/970	C	FRAN	/ /	COLUMBIA EAST	WELL				
1 SE4 NW4 SE4					IRRIG			C	785.0 G	845.0		283.0	QR	03011101	
G3*10697P	26	10697	09978			03/11/970	C	FRAN	/ /	COLUMBIA EAST	WELL				
1 NE4 SW4 NW4					IRRIG			C	668.0 G 2	635.0			QR	03011101	
					IRRIG			C	668.0 G 2	84.0 S		283.0	QR	03011101	
G3*10698P	26	10698	09979			03/11/970	C	FRAN	/ /	COLUMBIA EAST	WELL				
1 SE4 NW4 SW4					IRRIG			C	910.0 G	980.0 S		283.0	QR	03011101	
G3-00401C	26	11913				05/20/971		FRAN	/ /	ALDERSON J R & R	WELL				
1 SW4 NE4					IRRIG			C	1440.0 G	786.0		150.0	RMS	03011101	
G3-00942CAL	26	12369	00942			12/31/971		FRAN	/ /	COLUMBIA EAST PART TWO WELLS					
2 2SE4 NW4 SW4					IRRIG			C	4500.0 G	2500.0		500.0	MR	03011101	2 2 2
G3-00942CAL	26	12369	00942			12/31/971		FRAN	/ /	COLUMBIA EAST PART TWO WELLS					
2 2NE4 SW4 NW4					IRRIG			C	4500.0 G	2500.0		500.0	MR	03011101	2 2 2
G3*07987PRI	34	079878	074878			03/01/966		FRAN	/ /	RICKORDS V J	WELL				
1 N2 SW4 SE4					DOM MULT/PRIV CNTRL			C	500.0 G 2	22.4			ATMH		2 2
					IRRIG			C	500.0 G 2	60.0		15.0	AETMH	IS	2 2 2
G3-20662P	34					12/11/972		FRAN	/ /	HILL CECIL C	WELL				
1 S2 SW4 SE4					DOM MUNIC SERVICE			C	750.0 G 2						
					IRRIG			C	750.0 G 2			20.0			
G3*02833C	35	02833	02740	01447		11/28/952		FRAN	/ /	TIDEWATER SHAVER	WELL				
1 GL1					DOM GENERAL			C	100.0 G 2	160.0 2			AE		
					COMM/INDUST MISC			C	100.0 G 2	160.0 2			AE		
G3-00673C	35	12071				07/13/971		WALL	/ /	U S CORPS ENGRS	WELL				
1 SE4 SE4					DOM GENERAL			C	200.0 G 2	1.0			HRP		
					IRRIG			C	200.0 G 2	37.0		100.0	HRP	03011001	
G3-22495C	35					01/16/974		WALL	/ /	U.S. CORPS ENGRS.	WELL				
1 GL6					IRRIG			C	450.0 G 2	42.83		10.0	RMS	03011031	
					DOM MULT/PRIV CNTRL			C	450.0 G 2	5.0			RMS		

RECORDED WATER RIGHTS OF THE DEPARTMENT OF ECOLOGY REGION 3 PAGE 2669 REPORT DATE 1/16/79

CONTROL # / PTS P LOC. OF POD/POW	SEC #	OLD APPL	OLD PERM	OLD CERT (CHG C#)	PURPOSE OF USE	DATE OF PRIORITY	S C A / T C M	CNTY / USE TYPE	PERMIT DATE / INST QI (C R S / M U U)	NAME / ANNUAL QA (C R S / M U U)	SOURCE OF APPROPRIATION	IRR AC	C S M U / PROVISOS	TIME OF USE / TRIBUTARY OF	R R R / I A C
WATER RESOURCE INVENTORY AREA- 33															
TOWNSHIP - 09 RANGE - 30 E															
G3-23914P	35					11/12/974	C	FRAN	/ /	CURTIS E ARDELL	WELL				
1 SE4 NE4 NW4					IRRIG			C	300.0 G 2	183.45		35.0	R	04011031	
					DOM SINGLE			C	300.0 G 2	1.0			R		
S3*11857C	35	11857	08689	05191		11/26/952		FRAN	/ /	STANDARD OIL CO CA	SNAKE R			COL R&WALLULA L	
1 L4					FIRE PROTECTION			C	.436 C				S		
					IRRIG			C	.01 C			.75	S	04151001	
G3*02344C	36	02344	02215	02124		02/18/952		WALL	/ /	S COL BSN IRR DIST	WELL				
1 SW4 SW4 SE4					DOM MULT/PRIV CNTRL			C	40.0 G	64.0					
G3*06117C	36	06117	05839	04249		11/28/961		WALL	/ /	BROWN GE / J D	WELL				
1 L3 PLAT RIVER PARK HEIGHTS					DOM SINGLE			C	28.0 G 2	12.0 2			R		
					IRRIG			C	28.0 G 2	12.0 2		3.0	RE	IS	
G3*06312	36	06312				06/21/962	R	WALL	/ /	BROWN WILLIAM R	WELL				
1 RIVER PARK HGTS ADD NW4					DOM SINGLE			C	20.0 G 2						
					IRRIG			C	20.0 G 2			1.5		IS	
G3-22246C	36					12/14/973		WALL	/ /	CARLSON, WALTER E	WELL				
1 SW4 SE4 NW4					DOM SINGLE			C	30.0 G 2	1.0			RS		
					IRRIG			C	30.0 G 2	7.38		2.0	RS	01011231	
G3-25013P	36					08/06/976		WALL	12/07/977	CARLSON WALTER E	WELL				
1 LT-4 BK-1 CARLSON PLAT #1					DOM MULT/PRIV CNTRL			C	140.0 G 2	10.0			RS		
					IRRIG			C	140.0 G 2	31.0		6.68	RS	01011231	
TOWNSHIP - 09 RANGE - 31 E															
G3*10926P	06	10926	10226			06/01/970	C	FRAN	/ /	WITHERSPOON M E	WELL				
1 GL6					IRRIG			C	800.0 G	641.0		132.0	Q/RB	03010831	
G3*10897PAL	07	10897A	10377A			05/20/970		FRAN	/ /	NAKAMURA HISASHI	WELL				
1 NE4 NW4					IRRIG			C	4000.0 G	1427.0		400.0	MS	03011031	2 2 2
G3*07696C	13	07696	07199	05906		07/16/965		FRAN	/ /	ROGERS J W ET AL	WELL				
2 SW4 SE4 SW4					IRRIG			C	960.0 G	900.0		225.0	RE	IS	



SOIL ASSOCIATION LEGEND

Silty Soils in Areas of Moderately Low Precipitation (9-12 inches)

1 Starbuck-Roloff-Ritzville Association: Area dominated by well drained soils, some of which are very deep and others are underlain by basalt bedrock, sand or gravel and sand at 12 to 36 inches

2 Roloff Association: Area dominated by well drained soils underlain by bedrock at about 20 inches.

3 Ritzville-Willis Association: Area dominated by well drained soils; most are deep but some are underlain by caliche at about 30 inches.

Loamy Soils in Areas of Low Precipitation (... inches)

4 Shano-Burke Association: Area dominated by well drained soils; most are deep but some are underlain by caliche at about 30 inches.

5 Prosser-...-Scooteney Association: Area dominated by well drained soils, some of which are underlain by basalt bedrock, coarse sand, or cobbly loam. Rock outcrop is common.

6 Hezel-...-Ottmar Association: Area dominated by well drained and somewhat ... drained soils that are underlain by calcareous laminated lake deposits.

7 Taunton-Royal-Sagehill Association: Area dominated by deep well drained soils with calcareous subsoils; some are underlain by caliche at 24 inches.

8 Timmerman-Quincy-Burbank Association: Area dominated by well drained and excessively drained soils that are deep or are underlain by gravel, cobbles, or sand at about 30 inches.

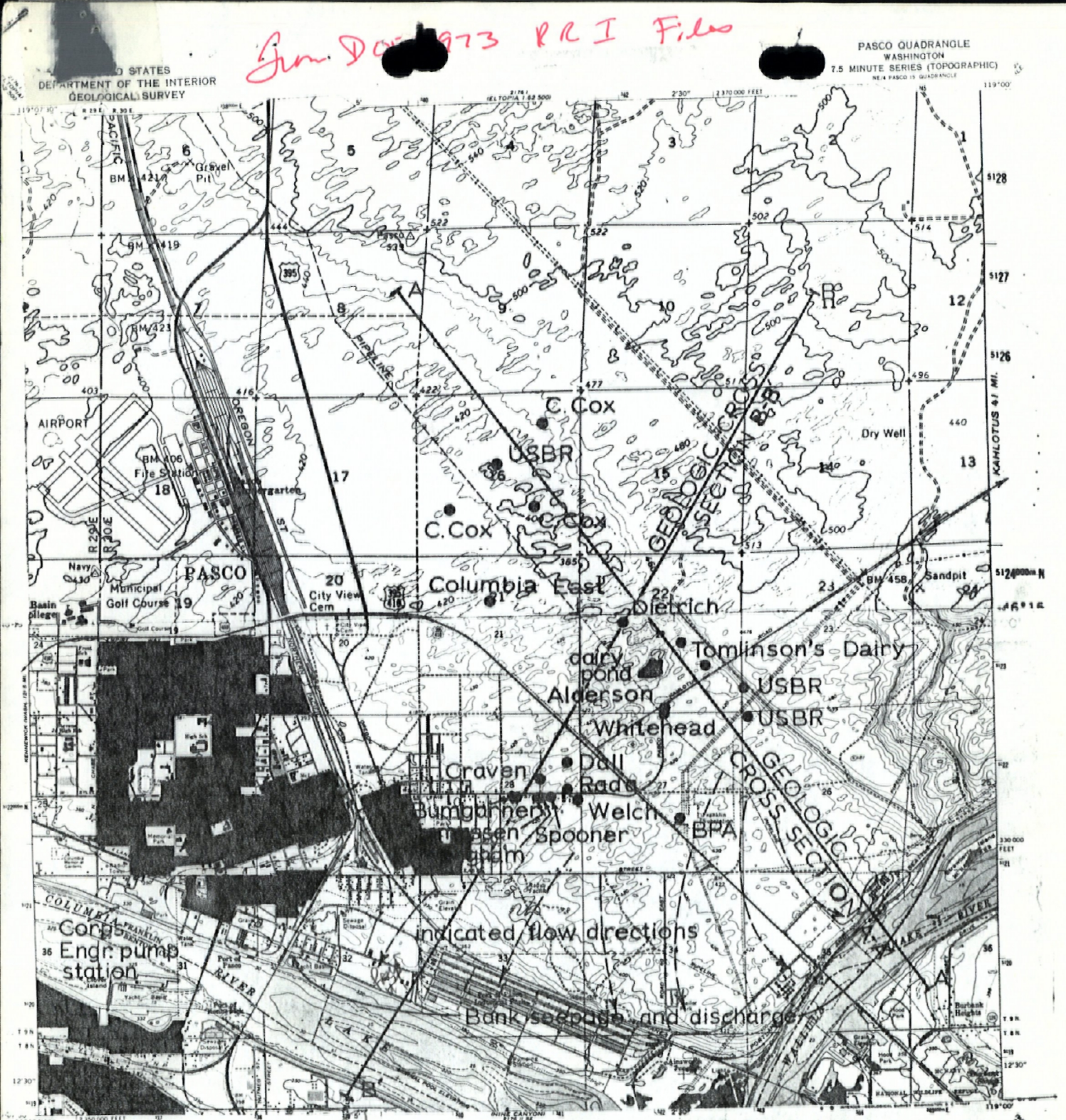
9 Ephrata-Timmerman-Scooteney Association: Area dominated by well drained soils that are underlain by coarse sand, gravel and sand, or gravelly loam at about ... inches.

... Soils in Areas of Low Precipitation (...)

... Association: Area dominated by deep excessively drained soils.

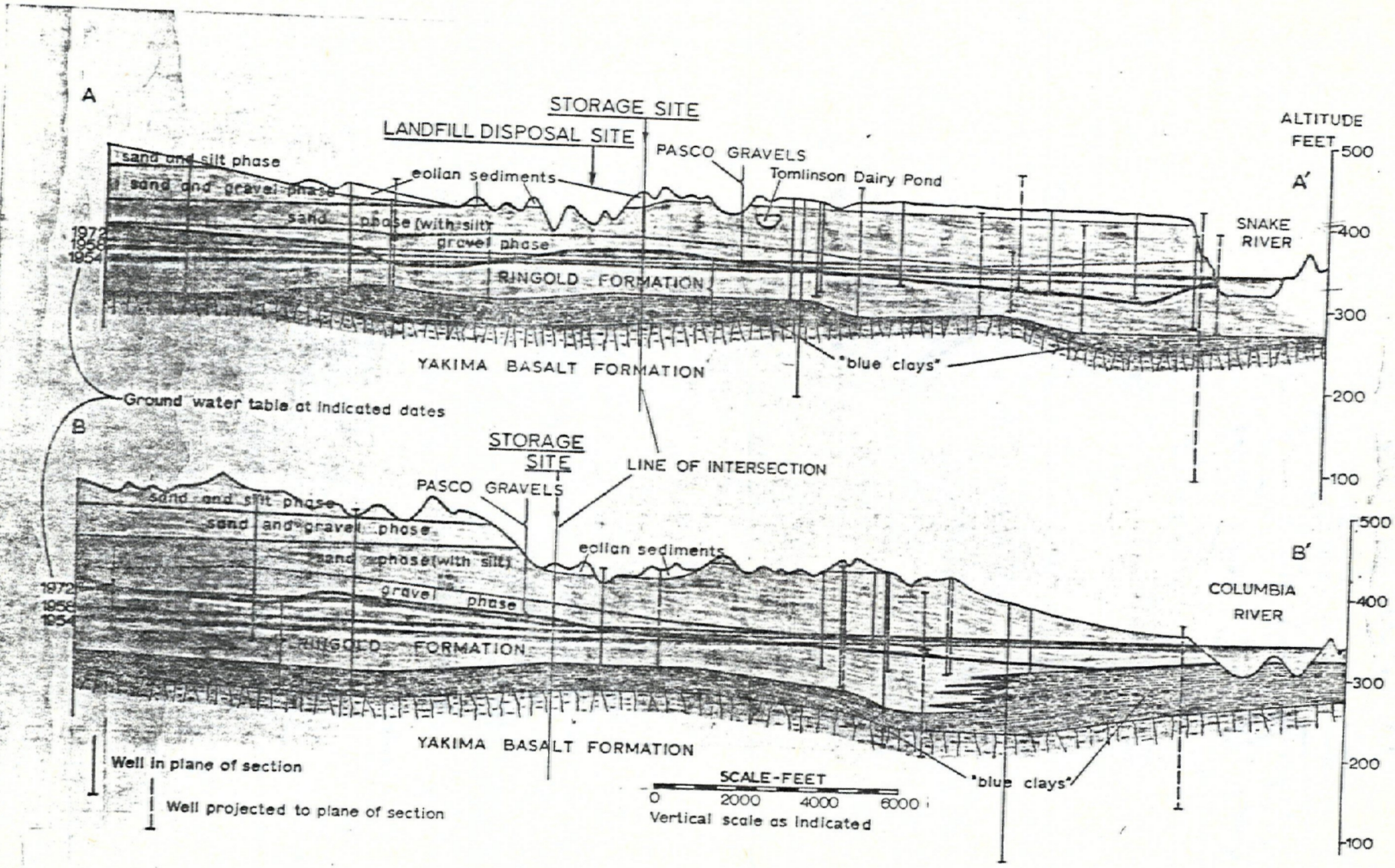
Soil map

From D[redacted]973 RRI Files



Adjacent Well locations

Resource Recovery for Groundwater & Geology data



GEOLOGIC CROSS SECTIONS A-A' AND B-B', PASCO DISPOSAL SITE
(See map for locations)

Randall E. Brown
Registered Geologist
California Certificate 525

Table 3.--Drillers' logs of wells--Con.

9/30-14D1. Bureau of Reclamation. Esquatzel Obs. Well. About 167 ft S. and 29 ft E. of NW corner. Altitude 496.5 ft. Drilled by Nelson Drilling Co., 1954.

Materials	Thickness (feet)	Depth (feet)
Silt, sandy, micaceous, gray.	10	10
Sand, silty, micaceous, gray.	10	20
Gravel, sandy, gray. Gravel fine, basaltic, rounded. Sand, fine, basaltic . .	10	30
Gravel, fine, granulated, rounded, basaltic . . .	10	40
Sand, fine, granitic and basaltic, gray	10	50
Gravel, sandy, gray. Gravel, fine, basaltic, subrounded, Sand, fine, basaltic,	10	60
Sand, silty, dirty, dark gray.	10	70
Sand, silty. Sand, coarse, basaltic, subrounded, granular, gray.	10	80
Sand, fine, basaltic, gray	10	90
Gravel, silty. Gravel, coarse, poorly graded, basaltic, subrounded. .	2	92
Gravel, silty. Gravel, medium, subrounded, well graded, basaltic. . . .	28	120
Gravel, sandy. Gravel, fine, basaltic subrounded. Sand, fine, dark gray, calcareous, granitic and basaltic .	10	130
Sand, gravelly. Sand, fine, calcareous, granitic and basaltic, dark gray. . .	30	160
Gravel, sandy. Gravel, coarse, well graded, rounded, granitic and basaltic. Sand, medium, subrounded, gray.	4	164
Gravel, sandy. Gravel, medium, rounded, granitic and basaltic. Sand, medium, angular, gray.	16	180

Casing: 3-inch, perforated 140-180 ft.

9/30-16F1. Bureau of Reclamation. Esquatzel Obs. Well. About at center of section. Altitude 405.8 ft. Drilled by Nelson Drilling Co., 1954.

Materials	Thickness (feet)	Depth (feet)
Sand, silty, fine to medium, rounded, calcareous, gray.	50	50
Sand, coarse, basaltic, gray.	12	62
Gravel, sandy. Gravel, medium, angular, granitic and basaltic, brown. Sand, medium, altered, brown . .	14	76
Gravel and sand. Gravel, coarse, granitic and basaltic, subrounded. Sand, coarse, angular. . . .	2	78
Sand, gravelly. Sand, medium, gray; limonitic weathering.	3	81
Gravel and sand. Gravel, coarse, subrounded, granitic and basaltic, poorly graded. Sand, medium, angular.	19	100
Gravel, sandy. Gravel, fine subrounded, granitic and basaltic, well graded. Sand, medium, angular.	10	110
Clay, gravelly. Clay, calcareous, with cemented pieces of fine gravel, grayish green.	5	115
Sand, medium, calcareous, grayish white; chiefly rounded quartz grains, some limonitic staining	13	128
Clay, greenish gray. . .	6	134

Casing: 3-inch, perforated 94-114 ft.

9-22

Sunnyside

&

Sunset Irrigation

– Burl Richan –

Sunnyside Irrigation

Dist.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

Resource Re[illegible]

WATER WELL REPORT

STATE OF WASHINGTON

Application No. /

Permit No. ....

(1) OWNER: Name Tom Kidwell Address PO Box 3029 Pasco Wash

(2) LOCATION OF WELL: County Franklin NW ¼ SW ¼ Sec. 16 T. 9 N., R. 30 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☑ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 107 ft. Depth of completed well 107 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 71 ft. to 99 ft.
Threaded ☐ ." Diam. from ft. to ft.
Welded ☑ ." Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☑
Manufacturer's Name
Type Model No
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☑ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 40 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? Good Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level.... ft.
Static level 70 ft. below top of well Date
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☑ If yes, by whom?
Yield: 30 gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Sand	0	75
Sand & Gravel	75	107

RECEIVED
JUN 1 - 1981

Work started 3-19, 19 81 Completed 3-20, 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Northwest Water Wells Inc.
(Person, firm, or corporation) (Type or print)
PO Box 1059
Address Hayden Lake Idaho 83835

[Signed] Duncan S. Linford
(Well Driller)

License No. 725 Date 3-30, 19 81

(USE ADDITIONAL SHEETS IF NECESSARY)

DK 6.02.81

ECY 050-1-20

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 64-25
Permit No. ....

(1) OWNER: Name F. J. VAN WESTEN Address 3320 S. GARFIELD KENNEWICK

(2) LOCATION OF WELL: County BENTON — ¼ NW ¼ Sec 17 T. 9 N., R. 30 E. W.M.

Bearing and distance from section or subdivision corner

PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 99½ ft. Depth of completed well 99½ ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from .... ft. to 94½ ft.
Threaded ☐ ..... " Diam. from .... ft. to .... ft.
Welded ☒ ..... " Diam. from .... ft. to .... ft.

Perforations: Yes ☐ No ☒
Type of perforator used ....
SIZE of perforations .... in. by .... in.
.... perforations from .... ft. to .... ft.
.... perforations from .... ft. to .... ft.
.... perforations from .... ft. to .... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type TELESCOPE Model No. 304
Diam. 5 Slot size .035 from 94½ ft. to 99½ ft.
Diam. .... Slot size .... from .... ft. to .... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ....
Gravel placed from .... ft. to .... ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? .... Depth of strata ....
Method of sealing strata off ....

(7) PUMP: Manufacturer's Name BERKELEY
Type: SUB H.P. 7

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 25'-8" ft. below top of well Date 11-27-75
Artesian pressure .... lbs. per square inch Date ....
Artesian water is controlled by .... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? ....
Yield: 35 gal./min. with 1 ft. drawdown after 2 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 11-27-75
.... gal./min. with .... ft. drawdown after .... hrs.
Artesian flow .... g.p.m. Date ....
Temperature of water 62 Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
TOP SOIL	3	3
BLACK SAND	17	20
BLACK SAND - SILTY LAYERS	54	74
COMPACT. F. GR	6	80
F. GR & SOME MEDIUM		14
RUNGOLD		

Work started APR 15, 19 75 Completed APR 22, 19 75

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CASCADE DRILLING CO
(Person, firm, or corporation) (Type or print)

Address P.O. DRAWER E, KENNEWICK

[Signed] .... (Well Driller)

License No. 0466 Date 4-27, 19 75

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

...le Original and First Copy with ...e Division of Water Management
...cond Copy — Owner's Copy
...ird Copy — Driller's Copy

[redacted] **WATER WELL REPORT**
STATE OF WASHINGTON No. [redacted]

Application No. ....
Permit No. G3-20248P

(1) **OWNER:** Name.......... Address..........

(2) **LOCATION OF WELL:** County FRANKLIN Cent ¼ NW ¼ Sec. 15 T. 9N N., R. 30E W.M.
...ng and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one).... 36
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 16" inches.
Drilled 143 ft. Depth of completed well 143 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 16" Diam. from 0 ft. to 9 ft.
Threaded ☐ ......" Diam. from ...... ft. to ...... ft.
Welded ☒ ......" Diam. from ...... ft. to ...... ft.

Perforations: Yes ☒ No ☐
Type of perforator used Mills Knife
SIZE of perforations 3/8" in. by 13" in.
900 perforations from 113 ft. to 137 ft.
...... perforations from ...... ft. to ...... ft.
...... perforations from ...... ft. to ...... ft.

Screens: Yes ☐ No ☒
Manufacturer's Name..........
Type.......... Model No..........
Diam. ...... Slot size ...... from ...... ft. to ...... ft.
Diam. ...... Slot size ...... from ...... ft. to ...... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ....
Gravel placed from ...... ft. to ...... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Puddly Clay
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ...... Depth of strata ......
Method of sealing strata off ......

(7) **PUMP:** Manufacturer's Name..........
Type: .... H.P. ......

(8) **WATER LEVELS:** Land-surface elevation above mean sea level... 477 ft.
Static level ...... ft. below top of well Date ......
Artesian pressure ...... lbs. per square inch Date ......
Artesian water is controlled by ...... (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? ......
Yield: ...... gal./min. with ...... ft. drawdown after ...... hrs.
" " "
" " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ......
Bailer test ...... gal./min. with ...... ft. drawdown after ...... hrs.
Artesian flow ...... g.p.m. Date ......
Temperature of water ...... Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG:**
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Black Sand	0	15 ft
Black Sand & Basalt Gravel	15	32 ft
Basalt Gravel	32	45 ft
Broken Basalt	45	60 ft
Basalt Gravel & Black Sand	60	62 ft
Broken Basalt	62	72 ft
Clay & Basalt Gravel	72	79 ft
Clay	79	100 ft
Clay & Sand	100	104 ft
Clay & Basalt Gravel	104	106 ft
Clay, Sand & Gravel	106	112 ft
Gravel Sand & Water @ 113	112	115 ft
Sand & Gravel	115	118 ft
Black Sand & Gravel 137	118	140 ft
Bed Rock Basalt	140	143 ft

RECEIVED
SEP 17 1976
DEPARTMENT OF ECOLOGY
SPOKANE REGIONAL OFFICE

4320 gpm
1940 Ap
480 Acres

Work started ...... 19.... Completed ...... 19....

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME St. George Drilling Co.
(Person, firm, or corporation) (Type or print)
Address 701 So. 45th Ave
[Signed] [signature]
(Well Driller)
License No. 0482 Date 3-15, 1974

9/21/76 (USE ADDITIONAL SHEETS IF NECESSARY)

surface 475 / 140 / 335 475 / 275 / 200

F. No. 7356—OS—(Rev. 5-69)—5-69.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

#36

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. G3 20209

(1) OWNER: Name Burlington Northern Address .....

(2) LOCATION OF WELL: County Franklin NW ¼ NW ¼ Sec 15 T 9 N., R 32 W.M

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 16 inches.
Drilled 157 ft. Depth of completed well 157 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 16 " Diam. from +1 ft. to 127 ft.
Threaded ☐ ..... " Diam. from ..... ft. to ..... ft.
Welded ☒ ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐ Johnson
Manufacturer's Name .....
Type Low Carbon Model No. .....
Diam. 16 Tele Slot size .075 from 127 ft. to 157 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 31 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 480 ft.
Static level 107 ft. below top of well Date 8-17-76
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by .....
(Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? .....
Yield: 1700 gal./min. with 15 ft. drawdown after 4 hrs.
" " " " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Sand TAN	0	3
Sand Black	3	21
Sand Black silty	21	32
Sand Black, Gravel 2" minus	32	68
SILT TAN	68	97
Sand Black silty	97	115
Sand Black Gravel silty	115	117
Sand Grey Water Bearing	117	126
Gravel Black Sand "	126	142
Gravel Ringold Formation"	142	157

RECEIVED
SEP 17 1976
DEPARTMENT OF ECOLOGY
SPOKANE REGIONAL OFFICE

Work started 6-28 1976 Completed 7-17 1976

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Nelson Well Drilling
(Person, firm, or corporation) (Type or print)

Address 10036 W. Argent

[Signed] James Nelson
(Well Driller)

License No. 0361 Date 7-29 1976

USE ADDITIONAL SHEETS IF NECESSARY

S. F. No. 7356—OS—(Rev. 4-71)
ECY-070-28

JRB Project # 136-XX

CONTACT REPORT

Report By: Barb Morrow Date: 4/5/84 Time: AM

Made Call ☐ Received Call ☐ Meeting ☒

Contact: Office of Financial Mgmt ( )
(1980 Fed. Census Data)

Discussion: Population from 1980 Census Data

W/in one mile — max. 1894
W/in ~~two~~ mile — max 6314
W/in four mile — 716,000

Distribution:

Resource Recovery
Big Pasco